

with a total stock of \$28,998,400, the sum of \$13,000,000 was water! The people of Canada, who use the cement manufactured by this company, are asked to maintain a tariff on cement that is equivalent to \$1 a barrel in order that, among others, the Canada Cement Company may pay dividends on capital that never existed.

Why should the Government continue to protect cotton and cement? Had we access to the facts we would find that many other of our protected interests have used water in quite as liberal proportions as the concerns mentioned. Why should they be protected—at least upon their "water?" The only object of this watered stock is to conceal profits and thereby make a better plea for the retaining of the tariff wall.

It certainly isn't fair for a company to offer you one thing and then deliver another. Such occurrences often happen when farmers buy from unscrupulous or unscrupulous ors. Farm and Dairy's Dealers Protective Policy has educated many farmers to this effect, and they have acquired the habit of purchasing only from such advertisers as use the columns of Farm and Dairy. They can always be relied upon, for they have our recommendation. We refer you to our Protective Policy as published on the editorial page of each issue.

Reciprocity will not compel us to send our produce to the United States. The fact, alone, that we can send it there will guarantee higher prices at home.

### Our Veterinary Adviser

**REMOVAL OF AFTERBIRTH**—Will the removal of the afterbirth by hand from a cow prevent her from conceiving again? Give the yeast treatment for those that will not conceive.—G. A. W.

Removal of the afterbirth will not prevent a cow from conceiving.

Place an ordinary yeast cake in a quart vessel and add sufficient warm water to cover and let it stand 24 hours. Then fill the vessel with warm water and allow it to stand for another 24 hours. Inject this into the vagina of the cow and breed in about one hour.

**INFECTIOUS ABORTION**—How can I get my herd of cows of contagious or infectious abortion?—A. D.

The treatment for infectious abortion is tedious, expensive and laborious. It usually requires from 2 to 3 years to stamp it out of a herd. A large quantity of a good disinfectant should be prepared. The writer prefers a solution of corrosive sublimate, 40 grains to a gallon of water. This should be heated to about 100 deg. Fahr. each time before using. Boil all abortive cows, burning all aborted foetuses, afterbirth, etc. Great care must be taken not to allow pregnant cows near the diseased and to prevent the attendant conveying the germ that causes the trouble from the diseased to the healthy, on hands, clothing, pails, forks, brooms etc.

The womb of aborted cows should be flushed out daily with a gallon of the solution introduced with an injection pump so long as the nozzle will reach the neck of the womb. After that a few ounces of the solution should be injected into the vagina

daily until all discharge ceases. It is also good practice to wash the tails and hind quarters of all breeding cows, both aborted and healthy, daily with the solution.

An aborted cow should not be again bred for at least 9 months after abortion. The bull that has bred to a diseased cow must not be bred to any cow for at least 4 months and in the mean time his sheath should be flushed out daily with the solution, and when he is bred again the sheath should be flushed both before and after service.

During treatment all breeding cows should be given about 40 drops of carbolic acid in a pint of cold water either as a drench or sprinkled on their food three times daily; opium differ as to the effect of the carbolic, but it is an advisable precaution. The premises in which the diseased animals have been kept should be thoroughly disinfected by a thorough cleaning and a thorough coat of hot lime wash with five per cent. carbolic acid before healthy stock is again introduced into them. It should be wise to carry out the treatment under the personal supervision of a veterinarian.

**FOALS LEAKING AT NAVEL**—There is an epidemic of foals leaking at the navel and 60 per cent. of these are dying. What do you think is the cause of the disease? R. G. Simcoe Co., Ont.

I am of the opinion that you confound the two conditions, leaking at the navel (called perivious urachus) and joint-ill or navel-ill. The two in some cases co-exist, but they are essentially different affections. Perivious urachus exists in a case where the tube that carries the urine from the bladder in foetal life does not become obliterated at birth.

This tube is called the urachus. The urine continues to escape through this tube in greater or less quantities. This trouble seldom proves fatal. Treatment consists in seeing that the normal passage for the urine is pervious. Pass a small catheter to make sure of this unless the foal has been observed to pass urine normally.

There are different methods of treating the navel, as the application of caustics, astringents, or by searing with a red-hot iron. Probably the most effective is to ligature. A sterilized suture is inserted with a needle (preferably a surgeon's needle) the foal is held upon his back, the umbilical cord and skin grasped with fingers of the left hand, the needle passed through the skin immediately in front of the cord, and then immediately behind the cord and there tied moderately tight so as to press sufficiently lightly in the urachus to prevent the escape of urine. The parts are then dressed three times daily with a five per cent. solution of carbolic acid until the legatine has sloughed off and the parts healed.

Navel-ill or joint-ill is a disease caused by a germ that gains the circulation through the navel opening. This germ has an affinity for the joints, some of which become swollen and sore, and, eventually, pus generally forms, hence the trouble is called "joint-ill." Curative treatment is usually unsuccessful but preventive treatment generally effective. It consists in dressing the navel as soon as possible after birth and for one or two times daily afterwards with a strong antiseptic as a 10 per cent. solution of carbolic acid in formalin or a solution of corrosive sublimate, 15 grains to eight ounces water. The writer prefers the latter. This treatment prevents the entrance of the germ, hence prevents the disease.

There have been few cases of either trouble in this section this year. The reason of the non-occurrence of joint-ill is because most breeders observe the preventive treatment noted.

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